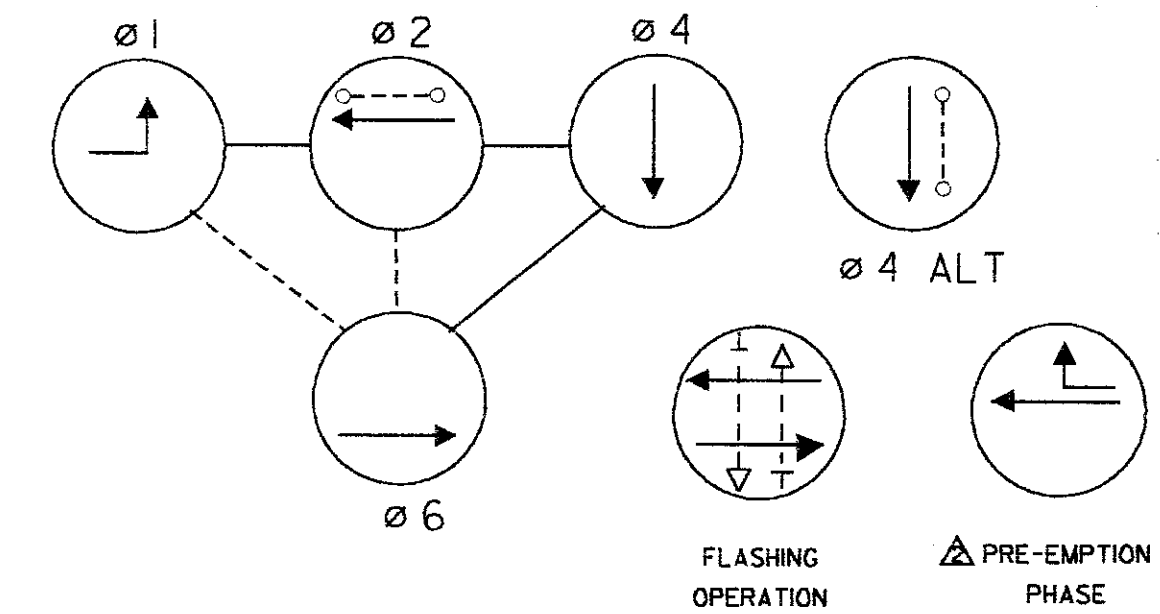
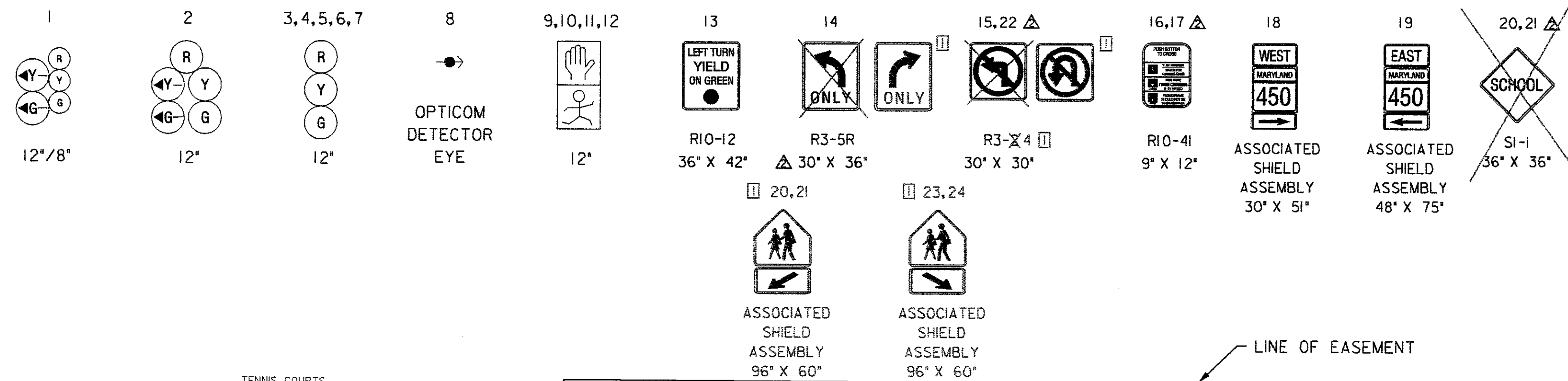


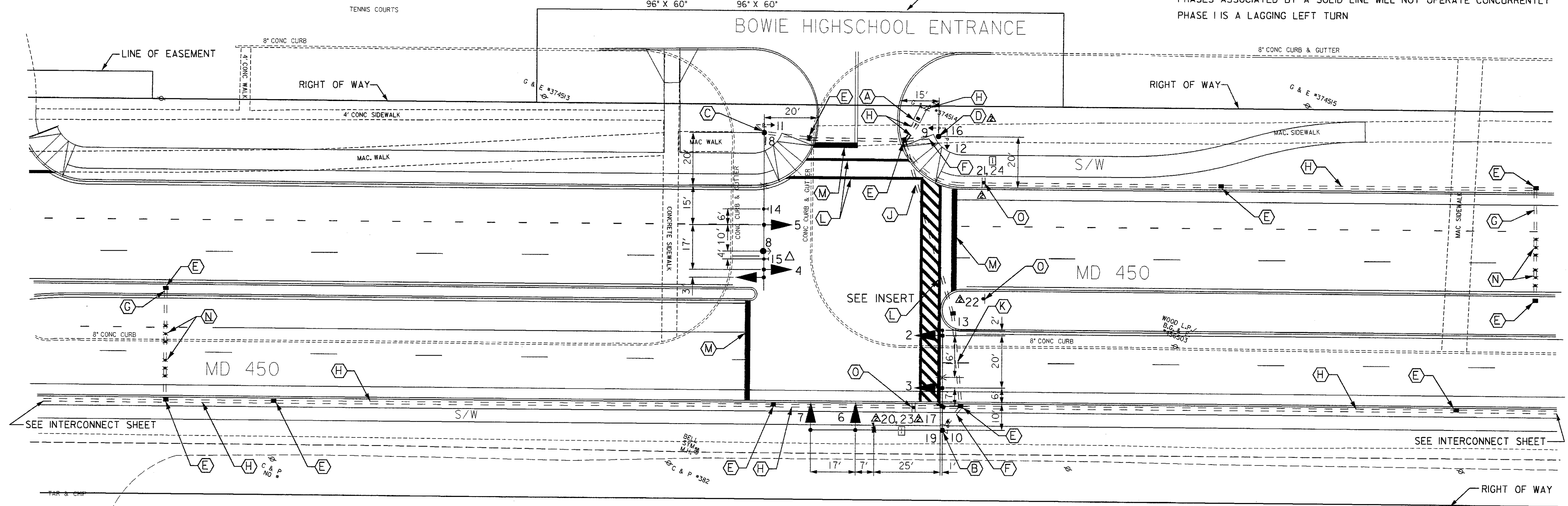
# PROPOSED SIGNS/SIGNALS

# NEMA PHASING



# NEMA NOTES

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY  
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY  
PHASE 1 IS A LAGGING LEFT TURN



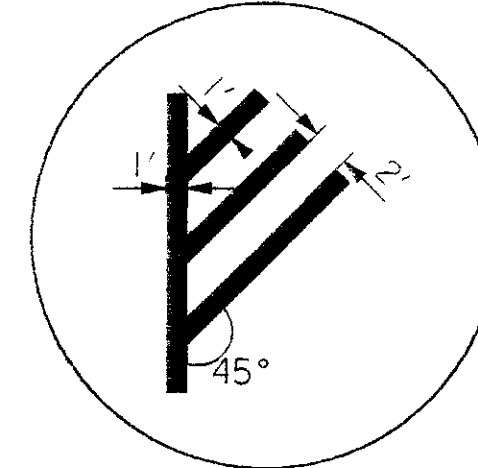
# NOTES

1. ALL PAVEMENT MARKINGS SHOWN ARE PROPOSED AND UNLESS OTHERWISE NOTED, ARE TO BE INSTALLED BY OTHERS IN ACCORDANCE WITH S.H.A. STANDARDS

# CONSTRUCTION DETAILS:

- A. INSTALL NEMA SIZE "6" CABINET AND CONTROLLER BASE MOUNT WITH ALL NECESSARY CONTROL AND DISTRIBUTION EQUIPMENT AND VIDEO DETECTION SYSTEM TO BE INSTALLED BY SHA.
- B. INSTALL 27 FT. STEEL POLE WITH 3 IN. ELBOW, TWIN 38/50 FT. MAST ARMS, VEHICULAR SIGNAL HEADS, VIDEO TRAFFIC CAMERAS, PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND SIGNS. INSTALL 20 FT. LIGHTING ARM ABOVE EB APPROACH MAST ARM WITH A 250 WATT HPS LAMP AND LUMINAIRE.
- C. INSTALL 27 FT. STEEL POLE WITH 3 IN. ELBOW, 60 FT. MAST ARM, VEHICULAR SIGNAL HEADS, VIDEO TRAFFIC CAMERA, PEDESTRIAN SIGNAL HEADS, OPTICOM DETECTOR EYE, SIGNS, AND 20 FT. LIGHTING ARM WITH A 250 WATT HPS LAMP AND LUMINAIRE. ALSO CUT, CLEAN CALVANIZE, AND CAP TRAFFIC SIGNAL STRUCTURE.
- D. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE WITH 2 IN. ELBOW, PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND SIGN.
- E. INSTALL HANDHOLE.
- F. INSTALL 3 IN. (SCH 80) PVC ELECTRICAL CONDUIT-TRENCHED.
- G. INSTALL 3 IN. (SCH 80) PVC ELECTRICAL CONDUIT-BORED.
- H. INSTALL 4 IN. (SCH 80) PVC ELECTRICAL CONDUIT-TRENCHED.
- J. INSTALL 4 IN. (SCH 80) PVC ELECTRICAL CONDUIT-BORED.
- K. INSTALL 4 IN. (SCH 80) PVC ELECTRICAL CONDUIT-SLOTTED.
- L. INSTALL 12 IN. HEAT APPLIED THERMOPLASTIC WHITE PAVEMENT MARKING FOR CROSSWALK.
- M. INSTALL 24 IN. HEAT APPLIED THERMOPLASTIC WHITE PAVEMENT MARKING FOR STOP LINE.
- N. INSTALL MICRO-LOOP NON INVASIVE PROBE SET WITH 1000 FT. LEAD IN.
- O. INSTALL GROUND MOUNTED SIGNS (BACK TO BACK WHERE APPROPRIATE).

# TYPICAL



# CROSSWALK DETAILS

# UTILITY LEGEND

- G — G — GAS MAIN
- W — W — WATER MAIN
- S — S — SEWER MAIN
- E — E — ELECTRIC CABLES
- A — A — AERIAL CABLES
- T — T — TELEPHONE CABLES

THE WILSON T. BALLARD CO.  
CONSULTING ENGINEERS  
OWINGS MILLS, MARYLAND

REDLINE NO. 1 5/6/02

ADDENDUM #2 10/11/2001

REVISIONS	APPROVALS
	<i>Michael R. K.</i> 12-5-01 TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>John H. S.</i> 12-10-01 ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	<i>John H. S.</i> 12-10-01 CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>John H. S.</i> 12-10-01 DIRECTOR, TRAFFIC & SAFETY

<b>MARYLAND DOT - STATE HIGHWAY ADMINISTRATION</b> <b>Office of Traffic &amp; Safety</b> <b>TRAFFIC ENGINEERING DESIGN DIVISION</b>			
MD 450 - MD 193 TO STONYBROOK DRIVE MD 450 AT BOWIE HIGH SCHOOL - ULTIMATE SIGNAL			
DRAWN BY: MB	F.A.P. NO. SEE TITLE SHEET	TS NO.	SHEET NO.
CHECKED BY: STB	S.H.A. NO. PG9005571	T.I.M.S. NO.	431 OF 545
SCALE: 1"=20'	COUNTY: PRINCE GEORGE'S	D 538	
DATE: SEPTEMBER 2001	LOG MILES:		